

Amendments to the Specification:

Please amend the paragraph beginning on page 10, at line 1 as shown below:

The relative humidity may also be determined as represented by block 85 using a sensor as represented by block ~~[[86]]~~ 89 or set to a predetermined value as represented by block 87. For example, rather than requiring a humidity sensor, the present invention may use a fixed high value for the relative humidity, such as 100%, which represents a very conservative calibration. This provides the greatest protection or margin of error for operating without formation of EGR condensation in the intake manifold. Of course, lower stored humidity values may be used in determining whether to bypass the EGR cooler and/or charge air cooler, although lower values are more likely to result in some condensation under certain ambient and operating conditions.

Please amend the paragraph beginning on page 12, at line 14 as shown below:

The combination of values obtained by sensing and assumptions are then employed in the processing of data in the control 26 through algorithms after the IMT_Critical equation determines an IMT_Critical value. As shown at 126, the intake manifold temperature is compared with the IMT_Critical prediction. If the IMT measured is greater than the intake manifold temperature critical as predicted by calculation, the control commands turn on the exhaust gas recirculation as shown at ~~[[128]]~~ 130. If not, the engine may be maintained in boost mode as shown at ~~[[128]]~~ 132. Other operational changes may be generated by the control 28 in response to the comparison.